

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L42	8	41 and "422".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 16:43
L41	55	honeycomb near2 diameter near3 cm	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 16:41
L40	20	39 and 422/168-183. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:39
L39	808	(honeycomb or matrix or monolith or substrate) with thermal\$2 with (contract\$5 or expan \$5) with break\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:39
L38	9	mm per degree Celsius	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:38
L37	11	36 and 422/168-183. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:36
L36	675	(honeycomb or matrix or monolith or substrate) with thermal\$2 with (contract\$5 or expan \$5) with (millimeter or mm)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:36
L35	5	34 and 422/168-183. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:31
L34	10929	low near shrink\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:31
L33	244	32 and 422/168-183. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:28
L32	47546	coefficient near2 expan\$5 same (honeycomb or monolith or substrate or catalytic converter or catalyst support)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:27

L31	113	30 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:11
L30	2925	(prevent\$3 or reduc \$5) near5 (contract \$5 or shrink\$ or deform\$5) same (honeycomb or monolith or matrix or catalytic converter)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 15:10
L14	2	12 same bypass\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:55
L13	34	12 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:52
L12	329	((deform\$5 or shrink \$3 or contract\$3) with (matrix or honeycomb or monolith or cataly\$5) near support)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:52
L11	115	((deform\$5 or shrink \$3 or contract\$3) near3 (matrix or honeycomb or monolith or cataly\$5) near support)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:51
L10	20	6 same ((deform\$5 or shrink\$3 or contract\$3) near3 channel)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:43
L9	31	7 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:19
L8	97928	"422".clas. or 29/890. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:19
L7	1922	6 with (deform\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:19
L6	47517	(honeycomb or matrix or monolith or substrate) with thermal\$2 with (contract\$5 or expan \$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 14:19
L5	17	3 and 422/168-183. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 13:38

L4	96	3 and "422".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 13:36
L3	6823	(1 with (stress\$3 or thermal\$3 or temperature))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 13:36
L2	5604231	(1 with stress\$3 or thermal\$3 or temperature)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 13:36
L1	168538	diameter near2 (decreas\$3 or increas \$3 or contract\$3 or shrink\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 13:35
S79	33	S78 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:52
S78	1628	(honeycomb or matrix or monolith or substrate) with (diameter or width) near4 (contract\$5 or expan\$5 or shrink\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:52
S77	1389	(honeycomb or matrix or monolith or substrate) with (diameter or width) near4 (contract\$5 or expan\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:52
S76	4	S75 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:49
S75	767	S74 with ("%" or percent\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:49
S74	47517	(honeycomb or matrix or monolith or substrate) with thermal\$2 with (contract\$5 or expan \$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:49
S73	45094	(honeycomb or matrix or monolith or substrate) with thermal near4 (contract\$5 or expan \$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:48
S72	3	S71 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:48

S71	205	S60 with ("% " or percent\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:48
S70	22	S69 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:46
S69	2831	S68 with (thermal\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:45
S68	51539	(prevent\$5 or reduc \$5 or limit\$ or stop \$4) near2 (contract \$4 or shrink\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:45
S67	92782	(prevent\$5 or reduc \$5 or limit\$ or stop \$4) near5 (contract \$4 or shrink\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:45
S66	31	S65 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:04
S65	688	(honeycomb or matrix or monolith) with (thermal or temperature) near4 (contract\$5 or shrink \$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:03
S64	48	S63 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:00
S63	303	S60 with (prevent\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:00
S62	330	S60 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:00
S61	97928	"422".clas. or 29/890. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 11:00
S60	4981	(honeycomb or matrix or monolith) with thermal near4 (contract\$5 or expan \$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2009/11/04 10:58

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